

Converting Colors

XYZ(92.4326, 58.6489, 8.9438)

Have a look what the booklet for
XYZ(92.4326, 58.6489, 8.9438)
contains.

XYZ(49.1745, 36.3712, 6.9112)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.1745, 36.3712,
6.9112)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7E2D
RGB	255, 126, 45
RGB Percent	100%, 49%, 18%
CMY	0.0000, 0.5058, 0.8235
CMYK	0.00, 0.51, 0.82, 0.00
HSL	23°, 100%, 59%
HSV	23°, 82%, 100%
XYZ	49.1745, 36.3712, 6.9112
YIQ	155.3370, 102.8850, 2.1570

Conversions

Conversions Part 2

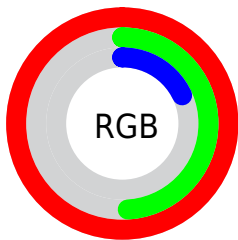
Format	Color
R _Y B	255, 177, 45
Decimal	16743981
CIE Lab	66.80, 44.49, 62.98
CIE LCh	67, 77.109, 54.766
Yxy	36.3712, 0.5319, 0.3934
Android (android.graphics.Color)	4294934061 (0xFFFF7E2D)
YUV	155.3370, -54.3961, 87.4045
Hunter-Lab	60.3085, 40.0057, 35.4215

Details

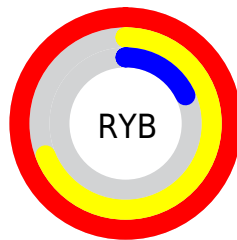
The XYZ color **49.1745, 36.3712, 6.9112** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **34.2669, 38.0475, 100.1448**, and the grayscale version is **31.5082, 33.1491, 36.0993**.

A 20% lighter version of the original color is **59.9685, 55.1896, 19.0472**, and **23.8684, 15.8415, 1.7997** is the 20% darker color. If you saturate the color by 10%, you get **46.9748, 32.5351, 4.4429**, and if you desaturate by 10%, it is **51.9853, 40.9569, 11.0435**.

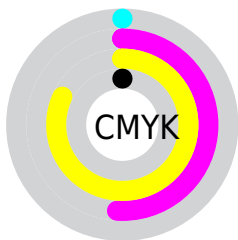
Distribution



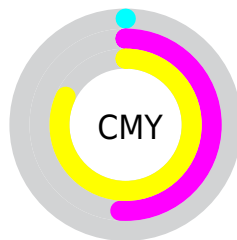
- Red (100%)
- Green (49%)
- Blue (18%)



- Red (100%)
- Yellow (69%)
- Blue (18%)



- Cyan (0%)
- Magenta (51%)
- Yellow (82%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1745, 36.3712, 6.9112 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.1745, 36.3712, 6.9112 by changing the saturation by 10% instead.


 49.1745, 36.3712,
6.9112


 49.1745, 36.3712,
6.9112


373.9345,
330.5801, 176.5266

 34.9730, 24.7210,
3.3290


 88.1497, 69.6046,
20.3042


 23.8085, 15.8693,
1.2650


 113.6542, 91.9566,
30.9520


 15.3156, 9.4317,
0.0328


 143.6571,
118.6447, 44.7922

 9.1289, 5.0238,
0.0000

 178.5236,
150.0533, 62.2432

 4.8832, 2.2613,
0.0000

 218.6193,
186.5667, 83.7236

 2.2129, 0.7531,
0.0000

 264.3094,

 0.7495, 0.0000,

228.5694, 109.6520

0.0000

315.9594,
276.4457, 140.4468

■ 0.0000, 0.0000,
0.0000

■ 49.1745, 36.3712,
6.9112

■ 49.1745, 36.3712,
6.9112

■ 46.9748, 32.5351,
4.4429

■ 51.9853, 40.9569,
11.0435

■ 45.6416, 30.0637,
3.3973

■ 55.4649, 46.3319,
17.0866

■ 59.6651, 52.5393,
25.2476

■ 64.6313, 59.6164,
35.7055

■ 70.4047, 67.5983,
48.6202

77.0232, 76.5176,
64.1373

84.5221, 86.4054,
82.3907

92.9347, 97.2911,
103.5052

95.0497, 99.9998,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.1676, 36.3712, 18.3442



49.1745, 36.3712, 6.9112



36.6544, 36.3712, 3.9085

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.1745, 36.3712, 6.9112



16.7132, 36.3712, 34.0317



44.8310, 36.3712, 131.1191

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.1745, 36.3712, 6.9112



34.2669, 38.0475, 100.1448

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.5657, 36.3712, 144.0376



49.1745, 36.3712, 6.9112



17.9546, 36.3712, 73.0243

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.1745, 36.3712, 6.9112



19.3080, 36.3712, 12.9189



23.1874, 36.3712, 118.5399



56.2908, 36.3712, 89.3571

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1745, 36.3712, 6.9112



29.1678, 36.3712, 4.3174



23.1874, 36.3712, 118.5399



40.6006, 36.3712, 139.7028

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.1753, 36.3732, 6.9118



75.1868, 74.0631, 59.7674



49.8670, 26.2124, 42.7319



15.5916, 15.1776, 11.6141



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.1753, 36.3732, 6.9118



45.8046, 30.3669, 3.5205



70.1494, 78.3214, 13.9032



18.5838, 19.1359, 18.8584



23.9825, 15.9763, 1.8197



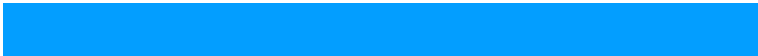
2.4371, 1.7595, 0.2112

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.2669, 38.0475, 100.1448



30.2437, 31.5600, 99.1054



21.2913, 12.0962, 95.8196



17.9320, 19.2356, 23.0177



15.8484, 16.6063, 51.8046



1.6491, 1.8288, 5.0794

Previews

White Background



This preview shows how the XYZ color 49.1745, 36.3712, 6.9112 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.1745, 36.3712, 6.9112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1745, 36.3712, 6.9112

Background



This preview shows how black text looks on a background with the XYZ color 49.1745, 36.3712, 6.9112.



This preview shows how white text looks on a background with the XYZ color 49.1745, 36.3712,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.1745, 36.3712, 6.9112

Protanopia

33.0782, 36.4153, 8.8999

Deuteranopia

37.1727, 36.5316, 6.5309



Tritanopia

51.8528, 36.2515, 24.6864

Trichromacy



Original Color

49.1745, 36.3712, 6.9112

Protanomaly

37.7984, 35.6070, 8.0126

Deuteranomaly

40.7386, 35.7681, 6.5070

Tritanomaly

50.4041, 36.0609, 15.8591

Monochromacy



Original Color

49.1745, 36.3712, 6.9112

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.5536, 32.2607, 20.6254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1745, 36.3712, 6.9112 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 126, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 45)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 126, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 45) }
```

Border

The CSS property to change the border of an element to XYZ 49.1745, 36.3712, 6.9112 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 126, 45) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 126, 45) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 126, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1745, 36.3712, 6.9112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 45) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
126, 45) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor